

The Calumet BOILERMAKER

Vol. 3 No. 1

PURDUE UNIVERSITY CALUMET CENTER, HAMMOND, INDIANA

Monday, September 19, 1955



Gustav Florin



Warren Seibert



Wilbur Crane



Kenneth Wilson



Richard Combs



Charles Tinkham



Wm. Kir-Stimon



Joseph Tyree



Dorothy Poling

New Appointments Come to Purdue

Among the new appointees to the Purdue Center staff is Ernest Alexander, who assumes the duties of registrar. Mr. Alexander has a B. S. degree in commerce and English and an M. A. degree in education, both granted by Ball Teachers College. He has taught both in the United States and in Japan and is especially experienced in guidance and counselling work.

New director of the Remedial Reading Clinic is Miss Dorothy Poling. A graduate of Ohio Wesleyan in English and education, Miss Poling received her Master's degree in education and remedial reading from the University of Chicago. She has taught at the University of Chicago Laboratory School and at the College of Education at the University of Oklahoma.

New director of the Vocational Guidance Department is William Kir-Stimon, who holds a Ph.D. in educational psychology from Northwestern University and who has taught widely in this country. He has held positions, among others, as a counseling psychologist, a teacher of psychology, a teacher of English and journalism, and a child therapist.

Replacing the late Professor Mark Anderson, Dr. Kenneth Wilson, from the Purdue Indianapolis Center, will teach zoology, biology, and bacteriology. Dr. Wilson received his Ph.D. degree from Purdue University in mycology, ecology, and plant pathology, and has taught at the Lafayette campus and in Indianapolis.

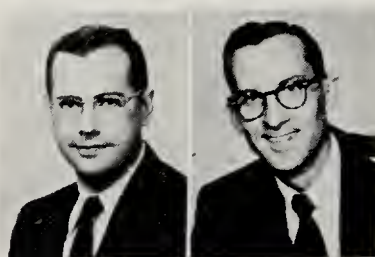
Others who have accepted positions on the faculty include the following: Richard Combs, who comes from the Munster public school system, will be a full-time instructor in the Technical Institute, teaching mathematics and physics. Gustav Florin, a graduate of Rust Institute in Potsdam, Germany, and holder of a Master's degree in civil engineering from the University of Nebraska, will teach descriptive geometry, drafting, and surveying.

Joseph Tyree, who will teach chemistry at the Center, received his Ph.D. in chemistry from Purdue University and has taught and done research in his field. A graduate of Southern Illinois University, Warren Seibert, who received his Ph.D. in industrial psychology from Purdue, will teach psychology, management training, and related subjects. Lewis Aurelius, a graduate of the University of Illinois with a B. S. in industrial arts education, will teach architectural drawing.

Recently retired from the Inland Steel Research Laboratories, Wilbur Crane, a graduate of Purdue, will work in the chemistry department this fall. Charles Tinkham, who has studied at the University of Chicago and at Wisconsin, will teach English.

In addition, two new secretaries have been added to the office staff at the Center. Miss Geraldine Trentowski, a graduate of Hammond Technical High School, will be employed in the Guidance Department; and Miss Patricia Surowiec, a graduate of Roosevelt High School, will be an assistant to the registrar.

It is hoped that The Boilermaker may soon find space to describe in more detail the careers of the various new appointees, as the descriptions given above are hardly more than barest indications of the wide experience in teaching and industry which these men and women are bringing to the Center.



Lewis Aurelius E. Alexander

Orientation Program for Fall of 1955 Is Required for All Freshmen in September

SEPTEMBER 19

9:00 - 9:45 a.m. - General Assembly (Room 15 and 16)

Chairman: Mr. Millard E. Gyte, Director, Calumet Center
Welcome and Introduction of faculty

The University and You, Dr. L. W. Cone

(purpose and plans for the orientation program)

Intermission - 15 minutes

10:00 - 11:15 a.m. - Group meetings (Rooms 111, 15 and 16)

Chairman: Mr. Richard Combs (Room 111)

Information about the Calumet Center - includes facts about the Calumet Campus, history of traditions, University Rules and Regulations, Academic Regulations, Library, Student Services, Scholarships, Classroom Etiquette, and Selective Service and Veterans' Benefits. Prof. Harold Williamson, faculty and student group

Chairman: - Mr. Kenneth Wilson (Room 15 and 16)

Information about Student Activities at Calumet Center - includes Student Affairs Committee, Eligibility Regulations, Assembly and Lecture Program, Student Council, Newspaper, Athletics, and Choral Group. Dr. Robert Nagler, faculty and student group (Both programs will be given in each room during this period)

11:30 - 12:15 a.m. - Lunch Hour (Student Lounge and Dining Room)

Organized according to section grouping with faculty advisors (Student cafeteria will be open)

12:45 - 2:30 p.m. - General Meeting for Pre-registration (Room 15 and 16)

Chairman - Mr. Wilfred Stock

Information on advisory system at Calumet Center

Information on registration and changing courses, etc. -

Mr. Ernest Alexander, Registrar

Registration of sections by advisors in designated rooms

7:00 - 9:00 p.m. - Parent's Night (Student Lounge)

Program will include brief talks by faculty of the Center and representatives from the campus at Lafayette. A tour of the Center is included after the talks. Coffee and donuts will be served by the Student Council.

SEPTEMBER 20

9:00 - 11:30 a.m. - Group meetings (Rooms 111, 15 and 16)

Reading Techniques - Dr. John Tuckey

Studying Techniques - Mrs. Virginia Cone

Research Director Traces Role of University For Hammond Lions

Dr. Ralph A. Morgen, director of Research Foundation at Purdue University, told the Hammond Lions Tuesday that it's a lamentable fact that "we are producing few leaders at the advanced degree level."

Dr. Morgen, in speaking of the Lafayette campus, said "it is a physical impossibility to do the whole job there; thus the Calumet Center is now giving boys and girls a chance to see if they are of the caliber for further knowledge". He directed most of his remarks in his concise, information-packed talk, toward a plea for more trained people for the field of research.

Dr. Ralph A. Morgen, discussed "Purdue and its Functions in the Calumet Area" at the fall meeting of the Hammond Lions last Tuesday night at Purdue Center following a dinner at the Wicker Park club house.

Mr. Merle Schmid Heads Training Program

Mr. Merle D. Schmid, of the Calumet Center faculty, has been named Leadership Training Chairman of the Pokagon Trails Council of the Boy Scouts of America. The Pokagon Trails Council includes Hammond and surrounding communities as far south as Lowell, Indiana, and is divided into three districts. As chairman of the Council, Mr. Schmid is in charge of training adults in scouting work.

A "University of Scouting" has been planned for the training of over 3,000 adults, who will meet on assigned nights each week for six weeks. To accommodate the large number of participants, parallel programs will be run at three centers—one in each of the three districts. After their training is completed, the adult leaders will work with more than 8,000 boys who need leadership in the Pokagon Trails Council area.

Orientation Program Planned for New Students

Mark P. Anderson Fund Being Established at Purdue Calumet Center

A student loan fund is being established here at Purdue in memory of Mark P. Anderson, who, with his wife Esther, was killed in a tragic auto accident on Sunday, July 10.

Those persons who had the occasion to have Mr. Anderson as a teacher or to know him as a friend



Mark Anderson

will know that he had a sincere and deep interest in Purdue, its students, and especially in the biology department here.

As a result of this accident, many of his friends, students, and acquaintances wanted to do something to express their esteem for him in his passing and also their appreciation for having had the chance to know him. Hence, it has been decided to set up a loan fund.

At the present time the fund has approximately \$365, and more contributions are needed to swell this fund still further. Although they will be gratefully accepted, big donations are not necessarily expected. The main thing is that money is needed and the people with the small donations can really help to put this program over.

An explanatory letter has already been distributed to the faculty here at the Center and at the Campus by the faculty-student committee-in-charge. The whole program has the full endorsement of Mr. M. E. Gyte, director of the Center, and will be handled according to the rules and regulations of Purdue covering such funds.

Requirements for those students who are interested in using the fund are still being discussed and will be announced at a later date. Also at a later date a memorial book with all the donors' names will be presented to Christine, daughter of Mr. and Mrs. Anderson.

The trustees and officers of this fund as follows: R. L. Anderson (faculty), John Hammond (student), (Continued on Page Three)

Dr. Norton Joins Purdue Center Staff

It is with pride The Boilermaker notes that Dr. Charles Norton has joined the staff of the Whiting Research Laboratories of Standard Oil Company and with pleasure that it notes he will take on part-time teaching duties here this fall.

Formerly a student at the Calumet Center, Dr. Norton is remembered for his friendliness and accomplishment. After leaving the Center, he went on to study at the Lafayette campus

Following the practice of the last two years, the faculty and administration staff of Purdue University Calumet Center and the Interim Committee of the Student Council are planning an orientation program for the incoming freshman students on September 19 and 20.

The purpose of the orientation program is to acquaint the new students with the meaning of the University, the faculty of the Center, fellow students, extra-curricular activities, rules and regulations, and student aids and services.

The orientation program began on September 15 with the "orientation" or subject placement tests. These tests were completed by day students during a morning and an afternoon session, and by night school students during an evening series of the tests. The results will be used to place the students in the class sections in which they can profit most from instruction.

On Monday, September 19, the program will begin at 9:00 a.m. in a general meeting, with a welcome by the Director of the Center and an introduction of the faculty. There will be a short talk, followed by an intermission. Following this, group meetings will be held to acquaint students with Purdue University Calumet Center, its activities, and its special services available to students.

At noon there will be a luncheon for the new students. At this time the students will sit according to their sectional grouping and will have an opportunity to talk with their faculty advisors.

In the afternoon there will be a general meeting at which the advisory system will be explained and the necessary information for preregistration will be given to the students before they are separated into their sectional groups for the actual preregistration with their advisors.

On Monday evening, September 19, at 7:00 p.m., there will be a short program for parents and students. This program will include administrative and faculty members from the Lafayette campus and faculty here at the Center.

Purpose of this phase of the program is to acquaint the parent and student with the relation between the Center and the Lafayette campus, and also to give the parent and student an opportunity to hear and talk to these members about the problems and steps necessary to transfer to the campus upon completing the work at the Center. Tours of the buildings, as well as refreshments, will be available for the parents and students after the brief formal part of the program.

On Tuesday, September 20, will be the morning session. This part of the program is reserved especially to help the student get the most out of his academic work during his college career. Outlines and discussions of studying techniques and habits as well as remedial and developmental reading will be covered from 9:00 a.m. to 11:00 a.m.

Ph.D. in chemistry from Harvard University. He is now teaching himself chemistry and will teach chemistry at the Lafayette campus.

No. 1

Editor..... John Hammond
Faculty Advisors:..... Sigrid Stark, Charles Tinkham,
John Tuckey, H. A. Williamson.....
Publication Supervisor..... A. T. Bolt

And life is too short to "beat around the bush." Why try so hard to be clever, over-tactful, deceitful, when eventually the truth must be out? Might it not be better to spread our cards on the table for all to see? Honesty and sincerity have nothing to fear or conceal. There may be times for little white lies, but rarely will any cause be better served by withholding or distorting the facts.

Loose Rivets In the Boiler

By John Millard

Welcome, new students. By now you are probably sick of advice. You have just finished a series of orientation lectures designed to advise you how to study and get the most out of your college career. I hope you will heed that advice, but please remember, there is also another side to college life. This sounding board is going to be put to use this month to point out this other side, the things that go into a well-rounded college life.

Last year we had over 2,000 students enrolled at the center. With the expected increase in enrollment this year, a corresponding increase in student activities, is expected.

The center boasts a newspaper, a student council, athletic teams, a musical group, a lecture series, as well as other interest groups. With sufficient student demand, organizations such as those at the Lafayette campus can be installed here. The only necessary element is student interest.

Back all your student activities, this is your school so get behind it! You new students have a golden opportunity to get in on the ground floor.

It has been reported that a history student, after doing some research of the Revival of Learning, reported to his class: "Late in the 12th century, matters had become very disorganized at the University of Bologna and the students laid down the law to the faculty. Henceforth they said, teachers must hold classes at regular intervals, be conscientious and punctual in attendance, cover all the ground in their courses, and not leave town without student permission".

At this point, I would like to welcome back all the old faithful readers of this column who have persevered this far. To you we say thanks for sticking with us, and we pledge that as much as is humanly possible, this column will continue to be used to the good of you, the student body, and the good of the Center.

One last word of friendly advice: get to know your instructors. If you run into trouble, talk to the prof.. He is a human being; he will do his best to help you every time.

Speaking of instructors, welcome to our new registrar and our new faculty members. May your stay here be a long and a happy one. We sincerely hope the new additions to the staff will be as willing to lend a hand to a student or a student-sponsored affair as the former members of the faculty were.

Bill Passage Holds Up Armory Construction

Construction of the Armory is held up pending action by Congress on the Military Appropriations Bill. There is little doubt that this delay will not be to long, and once the bill is passed construction will begin.

Included in major allocations okayed by the committee was the sum of \$53,000 for designing armories at Hammond, Crawfordsville, Angola, Rockville, and Washington. The funds were included under the heading of "improvements to state property."

The announcement was made by Committee Chairman Lawrence D. Baker.

The new armory in Hammond will be built on a 3.8 acre tract of land at 173rd street and the New York Central Railroad tracks. The land is being donated to the State Armory Board by Purdue University. The site is nearly five blocks from the Purdue Center at 2233 171st Street.

Electrical Technology Offers Special Summer Course

The Electrical Technology group was fortunate this summer in being able to conduct the course ET 396, Electrical Technology, for the first time at this center. The purpose of this course has been to provide an academic outlet for the special interests of the advanced students. In providing such a course the arrangements of course content and hours are more flexible than is possible in the other courses offered in the field.

Hours are set with the staff members concerned with the immediate teaching of the course.

Course content is arranged on a conference basis, where the student may indicate the projects or problems he hopes to work on during the course. The instructor supplies ideas for problems and projects and points out the general academic requirements of the course. The final course content is an adjusted academic summation of the ideas from the conference. The academic requirements of such a course can usually be met in a manner pleasing to the instructor and student alike.

One of the projects completed this last summer was the conversion of a toy xylophone piano into a single-oscillator electronic organ. Though the idea was not entirely original with Joseph Kujanik, he wanted to develop it as a project in this course. He found it necessary to do a considerable amount of original thinking to solve the problems presented. It was first necessary to select the type of circuit to be used. Then the method of keying the circuit and mounting the circuit and speaker had to be devised.

A resistance-capacitance tuned oscillator circuit using one dual-purpose tube permitted the assembly of the circuit in the minimum space. The circuit was extended beyond the prototype used as a model. Tuning of the organ required quite a bit of time, as did the arranging of the keying mechanism.

As a final product the electronic circuit, speaker, special keying arrangement and range selector switch were mounted in the original chassis of the piano. The only external alteration in the appearance of the piano was the mounting of a selector switch on the front panel below the keyboard.

The accompanying cut shows the arrangement of the keying mechanism, oscillator and speaker within the original piano chassis. Incidentally, one of the most important components of the keying mechanism was a safety pin. One was used on each key.

The organ is an interesting piece of equipment. It is capable of yielding pleasant renditions of simple tunes played with one finger. As a child's toy it is providing many hours of fun and instruction. As a student project it was a success. Some of the things the student found necessary to do were: make diagrams, check circuits, design new parts of circuits, consider the appearance of the final organ, adjust the circuit, tune the "organ", prepare parts listings, and write a thorough technical report covering the procedures involved in the conversion of the piano to an organ.



New Dining Area Will Free Lounge for Chats

Mr. Wm. Lowery has taken time from his very busy schedule to give many interesting details regarding the new dining facilities planned for the Center.

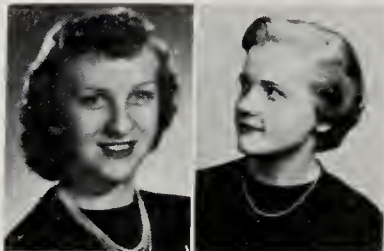
Rooms 12 and 13, according to Mr. Lowery, will be converted into a dining room and kitchen respectively, to be ready for use by approximately mid-October. The dining room will include a completely outfitted stainless steel cafeteria counter, and the north wall of the room will be panelled in knotty pine.

Next door, in Room 13, kitchen facilities will be installed adequate to handle not only student demands, but the exigencies of banquets and business meetings as well. Mr. Lowery lists as some of the furnishings planned for the kitchen, a large oven range, a deep fryer, a fountainette, an automatic dish washer and dryer, and a complete ventilation system to remove the odors of cooking.

With these changes, what happens to the lounge? The answer is that it will remain a student headquarters, but that its atmosphere will be completely different. No more rush. No more frantic hurrying and scurrings at mealtime amid piles of texts. Cokes and ice cream will still be available; but since the regular dining area will have been moved, there will be more encouragement in the lounge for visits and informal discussions, study and leisure reading.



Our office helpers: Vera Schramm, Mary Ellen Crawford, Audrey DeVries



G. Trentowski Patricia Surowiec

MARK P. ANDERSON

(Continued from Page One) Paul Meier (faculty), H. A. Williamson (faculty), and Phyllis Hedwall (student). The latter also serves as

(Continued on Page Four)

Parking Areas Outlined for Motorists

Parking space for students and participants in all meetings has been provided in the long lot to the north of the Center and diagonally on the south side and parallel on the north side of 171st Street.

The reserved areas in front of the building and immediately to the north of the building are for full-time and part-time staff members only.

Southworth's

WELCOME TO PURDUE

A welcome back to the returning students . . . and . . .

Hello to the new students . . .

You're all invited to come in and get acquainted with your BOOKSTORE.



We're looking forward to serving YOU — — —

BOOKS and SUPPLIES

FOR ALL PURDUE COURSES

REFERENCE BOOKS — — College Outline Series

SCHAUM'S OUTLINES — — Physics - Chemistry - Calculus - Geometry - Differential Equations

Purdue Souvenirs . . .

PENNANTS - DECALS - BEER MUGS

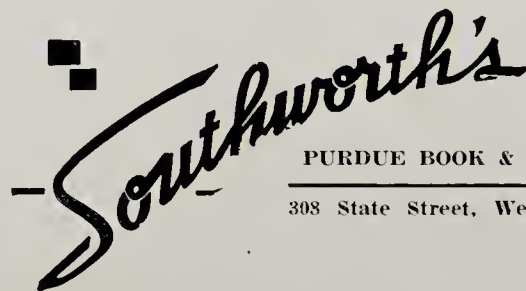
JACKETS - T-SHIRTS, for all ages

"MAY WE SERVE YOU"

SOUTHWORTH'S EXTENSION SERVICES Calumet Center Bookstore

A division of - -

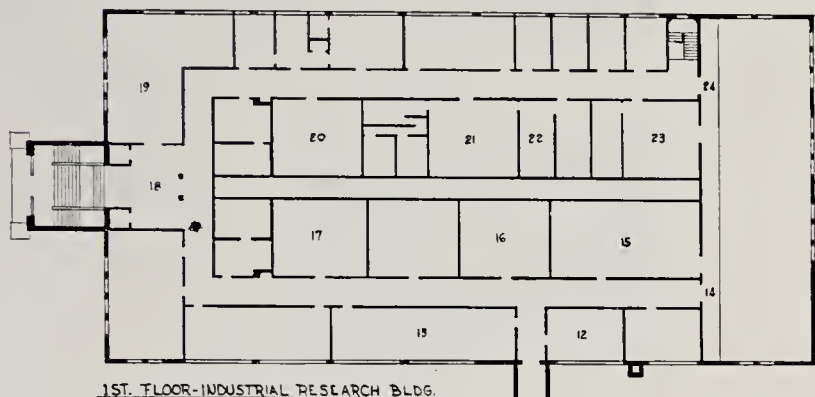
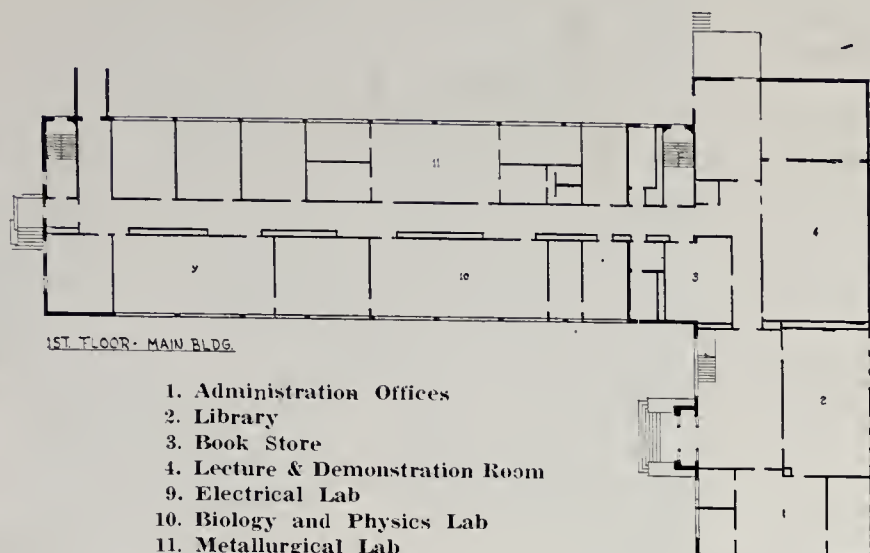
Bertha Meier, Mgr.



PURDUE BOOK & SUPPLY STORE

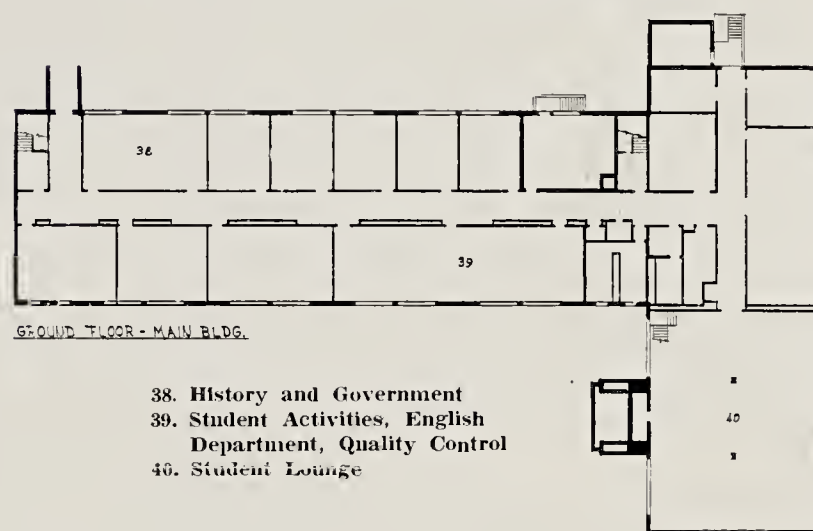
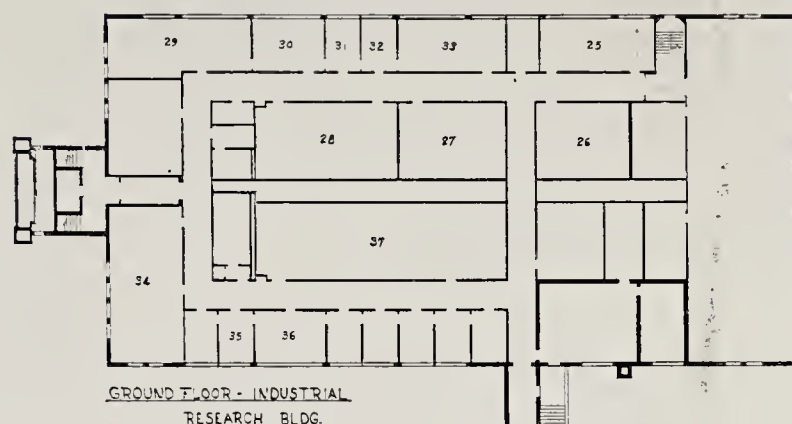
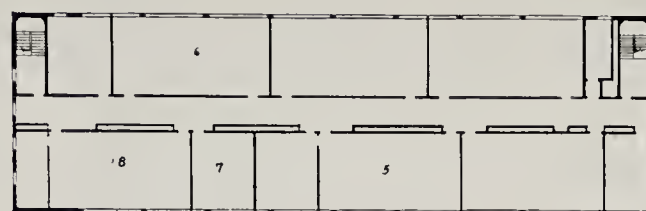
308 State Street, West Lafayette, Ind.

State-wide service to PURDUE students



FLOOR PLAN

of
MAIN BUILDING
and
Industrial Research Institute



Physics Instructors Help Write Article

"Prescription for a Technical Institute Text in Basic Physics" was written by the members of the physics staff of the Purdue University Technical Institutes. The article appeared in the July-August edition of Technical Education News.

P. V. Flannery and G. L. Rainey of the Calumet Center staff took part in the preparation of this article which was designed to unify common objectives among the many technical institutes to encourage the publication of a specialized text, designed to meet the unique technical institute demands.

Other members of the Purdue T. I. staff who took part in the preparation of the article are: M. D. Adams, Raymond Cowan, Paul Cox, Donald L. Dresser, Golden Flake, James Kortright, Robert LaFollette, William B. Sanders, and Morris R. Underwood.

Hammond Kiwanians Are Guests at Calumet Center Summer Event

Approximately 65 members of the Hammond Kiwanis Club attended their regular Wednesday luncheon meeting at Purdue Calumet Center on July 20.

Following the luncheon the Kiwanians heard an interesting talk by R. B. Stewart, Purdue's Executive Vice-President. In a brief but fact-filled speech, Dr. Stewart presented a review of the development of this Center from the early post-World War II days to the present. Considerable stress was given to the basic needs Purdue strives to satisfy through its extension program in this greatly industrialized region.

T.I. Staff Holds Semi-Annual Meet

The semi-annual staff meeting of the Technical Institute of Purdue University, held at Lafayette, Indiana, on September 8 and 9, was attended by more than 50 members of the Purdue University faculty from the off-campus centers at Hammond, Indianapolis, Fort Wayne, and Michigan City.

The Calumet Center was represented by Director Millard E. Gyte, Assistant Director Paul T. Meier, and faculty, R. L. Anderson, L. M. Aurelius, R. J. Combs, P. V. Flannery, F. D. Hays, Mary R. Maginsky, G. L. Rainey, J. C. Rapal, N. C. Relich, C. F. Rhodes, F. F. Schlosser, M. D. Schmid, Warren Seibert, William Kir-Stimon, H. A. Williamson, and C. H. Zacher.

Dean C. W. Beese, of the Technical Extension Division, and Prof. Von Roy Daugherty, head of the Technical Institute, were in charge of the meeting. Talks were given by Dr. George A. Hawkins, dean of the Schools of Engineering, and L. J. Freehafer, business manager of the university.

Subject matter committees held work sessions during the two days on curriculum planning and the program for the coming school year. Anderson, Hays, Relich, and Schlosser, of the Calumet staff, were among the committee chairmen.

Purdue's Technical Institute was established in 1943 and now has an enrollment of more than 2,000 students. The program offers two years of specialized study leading to an Associate Technical Aide diploma. The major fields of study are in the building construction, industrial, electrical, drafting and mechanical, and chemical and metallurgical technologies. The institute also offers aviation technician and professional pilot programs at Lafayette and a practical nursing program at the Calumet Center.

QUALITY CONTROL MEETING HELD AT GARY

Prof. Irving Burr of the Lafayette campus statistics group will address the newly organized Calumet subgroup of the Chicago section of the American Society for Quality Control Tuesday, September 20, at a Gary restaurant.

Prof. Burr is the recipient of the Shewhart medal in quality control, and has authored the text *Engineering Statistics and Quality Control*.

Members are drawn from local industries and anyone enrolling in PS 204-Statistical Quality Control at Calumet Center is welcome to join the group.

The address for the evening is How to be Practical; Statistical Quality Control.

Prof. N. Relich of the Calumet staff is the Chairman of the subgroup for the year 1955-1956.

Persons interested in attending the dinner should contact Prof. Relich at Tilden 4-0520.

MARK P. ANDERSON

(Continued from Page 3)
secretary of the fund. Money will be received by any of the above individuals and all contributions are gratefully accepted. Checks should be made payable to the Mark P. Anderson Loan Fund.

Counseling Services Available to Students, Calumet Community

The Guidance Clinic, housed in Room 30, has re-opened this semester under the direction of Prof. William Kir-Stimon, who comes to the Center from Northwestern University, replacing Drs. Elliott and Smith, former university counselors, who are no longer with the center.

According to Dr. Kir-Stimon, the guidance center will continue to offer counseling services without charge to most students. This includes aptitude testing, assistance with educational and vocational planning, and personal counseling as needed. Those interested in these services are advised to call for an appointment. Hours will be available for both day and evening students. A small fee will be charged those part-time students who carry under 12 semester hours during the term.

In addition, students may be referred for counseling by their faculty advisors, who supervise class adjustment and curriculum planning.

The guidance center is also opening its doors to persons in the

Calumet area who are desirous of its services. Included in aid are adults as well as children and youth. Business and industry in the community are being invited to participate in a testing program for more adequate placement and guidance of personnel. Fees for these services are moderate.

Hammond's Best and Most Complete CATERING SERVICE

★
Large Parties, or Small
On Our Premises or Yours
Orders To Take Out

LaSalle Grill Inc.

5264 Hohman Ave.
WEstmore 2-8146

Operators of

PURDUE CALUMET
CAMPUS SNACK BAR

Liberty Savings & Loan Association

1900 Indianapolis Boulevard

Whiting, Indiana

MEMBER FEDERAL HOME LOAN BANK SYSTEM

ANDREW SMOLEN, President

Telephone Whiting 1134